Anomaly Detection Report

Model: autoencoder

Source File: synthetic_logs_test_500_new.csv

Total Anomalies Found: 22

Anomaly #18 (Score/Error: 0.0004)

```
Request: GET /leave/appResources/images/lerf_default.png HTTP/1.1
Status: 200 | Bytes: 15119 | IP: 10.45.200.50
```

Reason: Classified as anomaly due to high reconstruction error in 'Duration'.

Anomaly #79 (Score/Error: 0.0005)

```
Request: POST /leaverest/rest/lwpBatch HTTP/1.1
Status: 200 | Bytes: 10217 | IP: 10.247.81.41
```

Reason: Classified as anomaly due to high reconstruction error in 'Duration'.

Anomaly #116 (Score/Error: 0.0004)

```
Request: GET /favicon.ico HTTP/1.1
Status: 200 | Bytes: 305 | IP: 10.8.52.59
```

Reason: Classified as anomaly due to high reconstruction error in 'Size'.

CRITICAL Anomaly #129 (Score/Error: 0.0015)

```
Request: GET /leave/appResources/images/lerf_default.png HTTP/1.1
Status: 200 | Bytes: 203 | IP: 10.47.125.11
```

Reason: This request is anomalous because the method used (GET) has a significantly lower contribution to the anomaly score compared to the size of the requested resource (lerf_default.png).

Anomaly #137 (Score/Error: 0.0004)

```
Request: GET /leave/appResources/images/lerf_default.png HTTP/1.1
Status: 200 | Bytes: 675 | IP: 10.128.25.201
```

Reason: Classified as anomaly due to high reconstruction error in 'Size'.

Anomaly #168 (Score/Error: 0.0005)

```
Request: GET /favicon.ico HTTP/1.1
Status: 204 | Bytes: - | IP: 10.55.19.33
```

Reason: Classified as anomaly due to high reconstruction error in 'Duration'.

Anomaly #177 (Score/Error: 0.0004)

```
Request: GET /dashboard/stats HTTP/1.1
Status: 200 | Bytes: 648 | IP: 10.74.234.134
```

Reason: Classified as anomaly due to high reconstruction error in 'Size'.

Anomaly Detection Report

Anomaly #182 (Score/Error: 0.0005)

Request: GET /favicon.ico HTTP/1.1
Status: 204 | Bytes: - | IP: 10.141.113.90

Reason: Classified as anomaly due to high reconstruction error in 'Duration'.

Anomaly #202 (Score/Error: 0.0007)

Request: GET /favicon.ico HTTP/1.1
Status: 200 | Bytes: 397 | IP: 10.237.203.87

Reason: Classified as anomaly due to high reconstruction error in 'Size'.

Anomaly #203 (Score/Error: 0.0004)

Request: POST /RightsWeb/myrights/rest/getNewCardBranch HTTP/1.1
Status: 200 | Bytes: 655 | IP: 10.28.44.127

Reason: Classified as anomaly due to high reconstruction error in 'Duration'.

Anomaly #219 (Score/Error: 0.0006)

Request: POST /RightsWeb/myrights/rest/getNewCardBranch HTTP/1.1
Status: 200 | Bytes: 332 | IP: 10.98.168.129

Reason: Classified as anomaly due to high reconstruction error in 'Size'.

Anomaly #240 (Score/Error: 0.0004)

Request: POST /RightsWeb/myrights/rest/getNewCardBranch HTTP/1.1
Status: 204 | Bytes: - | IP: 10.147.120.32

Reason: Classified as anomaly due to high reconstruction error in 'Duration'.

Anomaly #253 (Score/Error: 0.0005)

Request: POST /api/v1/auth/login HTTP/1.1
Status: 200 | Bytes: 8518 | IP: 10.15.172.196

Reason: Classified as anomaly due to high reconstruction error in 'Duration'.

Anomaly #297 (Score/Error: 0.0004)

Request: GET /leave/appResources/images/lerf_default.png HTTP/1.1
Status: 200 | Bytes: 652 | IP: 10.71.77.20

Reason: Classified as anomaly due to high reconstruction error in 'Size'.

Anomaly #337 (Score/Error: 0.0005)

Request: POST /api/v1/auth/login HTTP/1.1
Status: 200 | Bytes: 16105 | IP: 10.18.236.225

Reason: Classified as anomaly due to high reconstruction error in 'Duration'.

Anomaly #369 (Score/Error: 0.0004)

Request: POST /RightsWeb/myrights/rest/getNewCardBranch HTTP/1.1
Status: 200 | Bytes: 17747 | IP: 10.148.173.177

Anomaly Detection Report

Reason: Classified as anomaly due to high reconstruction error in 'Duration'.

Anomaly #374 (Score/Error: 0.0005)

```
Request: GET /timesheet/resources/lib/js/json2.js HTTP/1.1
Status: 204 | Bytes: - | IP: 10.101.182.37
```

Reason: Classified as anomaly due to high reconstruction error in 'Duration'.

CRITICAL Anomaly #411 (Score/Error: 0.0010)

```
Request: POST /leaverest/rest/lwpBatch HTTP/1.1
Status: 200 | Bytes: 1667 | IP: 10.185.214.77
```

Reason: This anomaly is unusual because the Method_GET contribution is positive, indicating an unexpected increase in the frequency of GET requests compared to the normal pattern.

CRITICAL Anomaly #414 (Score/Error: 0.0007)

```
Request: GET /leave/appResources/css/Custom_font-awesome.css HTTP/1.1
Status: 204 | Bytes: - | IP: 10.126.170.69
```

Reason: This log entry is anomalous because the status code returned is 204, which indicates that the server successfully processed the request but there is no content to send in the response.

Anomaly #459 (Score/Error: 0.0006)

```
Request: POST /leaverest/rest/lwpBatch HTTP/1.1
Status: 200 | Bytes: 5646 | IP: 10.93.251.149
```

Reason: Classified as anomaly due to high reconstruction error in 'Duration'.

Anomaly #472 (Score/Error: 0.0004)

```
Request: GET /timesheet/resources/lib/js/json2.js HTTP/1.1
Status: 200 | Bytes: 17468 | IP: 10.182.63.160
```

Reason: Classified as anomaly due to high reconstruction error in 'Duration'.

Anomaly #478 (Score/Error: 0.0004)

```
Request: GET /leave/appResources/css/Custom_font-awesome.css HTTP/1.1
Status: 200 | Bytes: 2483 | IP: 10.81.185.239
```

Reason: Classified as anomaly due to high reconstruction error in 'Duration'.